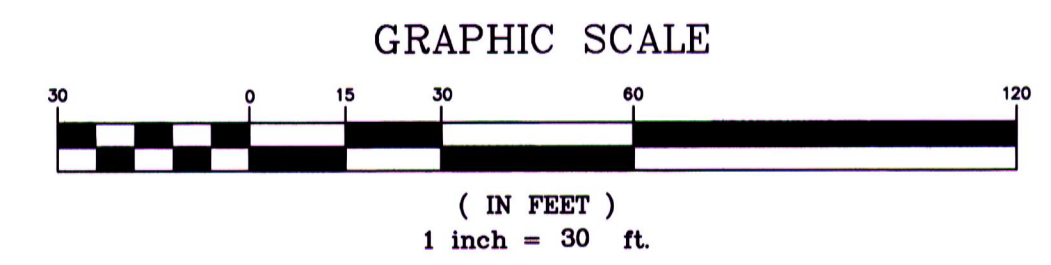


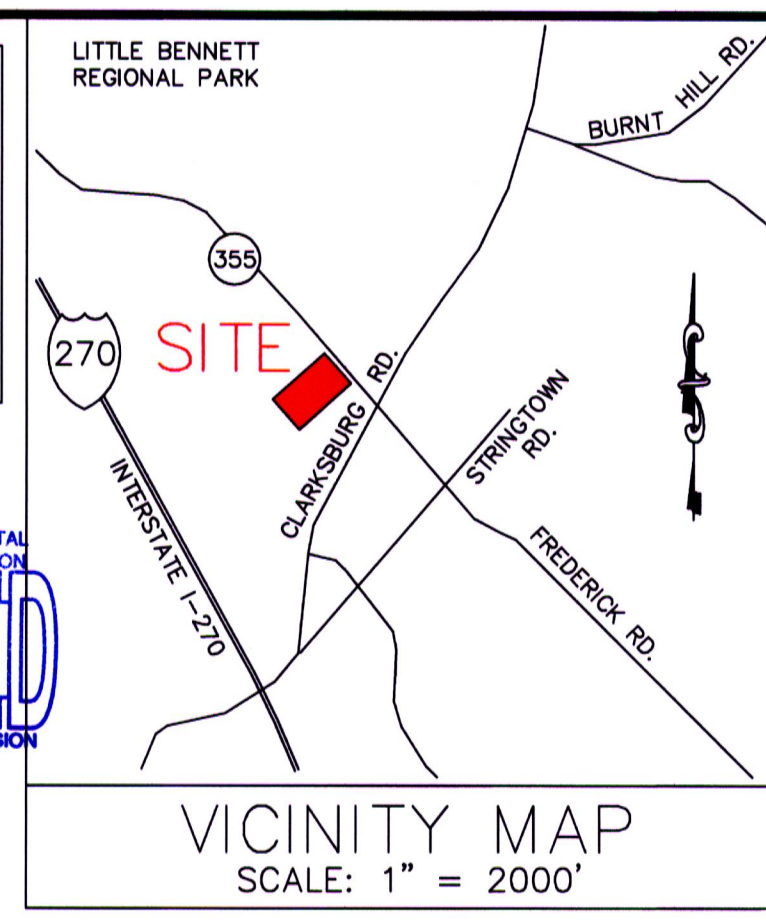
MD. COORD. SYSTEM (NAD83/2011) MONTGOMERY COUNTY, MD



MAPPED SOILS LEGEND			
SYMBOL	SERIES	EROSION POTENTIAL	HYDRIC
9B	Linganore-Hyattstown channery silt loams, 3-8% slopes	Slight	No
9C	Linganore-Hyattstown channery silt loams, 8-15% slopes	Slight	No
54A	Hatboro silt loam 0-3% slopes	Slight	Yes
109D	Hyattstown channery silt loam 15-25% slopes	Moderate	No

OWNER:  
MONTGOMERY COUNTY DEPT.  
OF GENERAL SERVICES  
C/O JEFF KNUTSEN  
101 MONROE STREET  
11TH FLOOR  
ROCKVILLE, MD 20850  
240-777-6079

THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION  
NOV - 8 2010



SHEET 1 OF 2

CLARKSBURG FIRE STATION  
PROPERTY OF MONTGOMERY COUNTY, MD  
LIBER 39699 FOLIO 414  
LIBER 39699 FOLIO 391  
2ND ELECTION DISTRICT, MONTGOMERY COUNTY, MD  
NATURAL RESOURCE INVENTORY  
AND  
FOREST STAND DELINEATION

RESOURCE AREA INFORMATION	
DESCRIPTION	AREA
TRACT AREA	3.99 ac.
FOREST AREA	3.64 ac.
WETLAND AREA	0.00 ac.
FORESTED WETLAND AREA	0.00 ac.
STREAM BUFFER AREA	0.00 ac.
FORESTED STREAM BUFFER AREA	0.00 ac.
STREAM BUFFER AVERAGE WIDTH	0 ft.
100-YEAR FLOODPLAIN AREA	0.00 ac.
FORESTED 100-YEAR FLOODPLAIN	0.00 ac.
STREAM LENGTH ON SITE	0 i.f.
PMA ON SITE	0.00 ac.

- NATURAL RESOURCE INVENTORY NOTES:
- 1.) THE NET TRACT AREA IS 3.99 ACRES.
  - 2.) THERE ARE 158,642 S.F. (3.64) ACRES OF FOREST ON SITE.
  - 3.) THERE ARE 14 SIGNIFICANT TREES WITH DBH GREATER THAN OR EQUAL TO 24" IDENTIFIED ON SITE AND 7 IDENTIFIED WITHIN 100 FEET OF THE SITE.
  - 4.) 5 OF THE SIGNIFICANT TREES ON SITE AND 2 WITHIN 100 FEET OF THE SITE ARE SPECIMEN TREES AS INDICATED ON THE NRI TREE TABLE.
  - 5.) THERE ARE NO CHAMPION TREES OR TREES 75% OF THE STATE CHAMPION ON OR ADJACENT TO THE SITE.
  - 6.) FIELD WORK WAS CONDUCTED BY BRIAN BARTLETT (RLA3085) OF ECOTONE, INC. ON SEPTEMBER 15, 2010. A DIAMETER TAPE WAS USED TO MEASURE TREES. SIGNIFICANT AND SPECIMEN TREES NUMBERED 1, 2, 3, 4, 5, 6, 8, 11, 13, 14, 16, 17, 18, 19, AND 20 WERE SURVEYED WITH SURVEY GRADE EQUIPMENT. LOCATIONS OF SIGNIFICANT AND SPECIMEN TREES NUMBERED 7, 9, 10, 12, 15 AND 21 WERE ESTIMATED IN THE FIELD. FIELD DATA SUMMARY SHEETS WERE PREPARED AND ACCOMPANY THIS PLAN. EXISTING VEGETATION INFORMATION ASSOCIATED WITH THIS PROPERTY IS AS SHOWN ON THIS PLAN.
  - 7.) THE SUBJECT PROPERTY IS NOT IDENTIFIED IN THE MONTGOMERY COUNTY LOCATIONAL ATLAS AND INDEX OF HISTORIC SITES.
  - 8.) THERE ARE NO WATERS OF THE UNITED STATES, WETLANDS OR 100 YEAR FLOOD PLAINS LOCATED ON SITE. FLOODPLAIN INFORMATION PROVIDED BY FEMA FIRM MAP, MONTGOMERY COUNTY, #24003101000. THE SITE IS WITHIN THE CLARKSBURG SPECIAL PROTECTION AREA.
  - 9.) THE SITE IS LOCATED IN THE LITTLE SENECA CREEK WATERSHED, A USE CLASS I-P STREAM.
  - 10.) NO RARE, THREATENED OR ENDANGERED SPECIES WERE ENCOUNTERED ON THE SITE. AN INQUIRY HAS BEEN SENT TO THE WILDLIFE AND HERITAGE DIVISION OF THE MD DNR TO DETERMINE THAT IF THERE ARE ANY KNOWN RECORDS OF RARE, THREATENED OR ENDANGERED SPECIES WITHIN THE PROJECT SITE. RESULTS OF THIS INQUIRY WILL BE FORWARDED WHEN RECEIVED BY ECOTONE.
  - 11.) SITE SURVEY INFORMATION WAS PROVIDED BY VIKI, INC.
  - 12.) THE SITE IS LOCATED ON WSSC MAPS 233NW13 AND 232NW13.
  - 13.) THE SITE IS CURRENTLY FORESTED WITH SOME REMNANT FOUNDATIONS AND INDICATIONS OF PAST RESIDENTIAL USE, AND DEVELOPMENT OF A FIRE STATION IS PROPOSED.
  - 14.) TREELINES SHOWN ON THIS PLAN ARE BASED UPON FIELD SURVEY BY VIKI, INC. FOREST STAND DELINEATIONS ARE BASED ON FIELD OBSERVATIONS BY ECOTONE.



PLAN PREPARED FOR:  
MONTGOMERY COUNTY  
DEPARTMENT OF GENERAL  
SERVICES  
101 MONROE STREET  
11TH FLOOR  
ROCKVILLE, MD 20850  
SEPTEMBER 2010  
ECOTONE PROJECT: 1044

## NRI/FSD LEGEND

- SITE BOUNDARY
- EXISTING CONTOURS
- EXISTING BUILDING
- MAPPED SOILS
- MAPPED TREELINE
- MAPPED SHRUBLINE
- FOREST STAND
- FOREST SAMPLE POINT
- SIGNIFICANT TREE
- SPECIMEN TREE

THE MARYLAND-NATIONAL CAPITAL  
PARK AND PLANNING COMMISSION  
NRI/FSD PLAN  
APPROVED  
NRI/FSD No. 420110590  
Date Approved: 11/12/2010  
Expiration Date: 11/12/2012  
Signature: [Signature] Date: 11/12/10

## SIGNIFICANT AND SPECIMEN TREE LIST

ST #	COMMON NAME	BOTANICAL NAME	DBH*	VIGOR**	NOTES
1	SILVER MAPLE	<i>Acer saccharinum</i>	26.5"	Good	Double @ 7'
2	SILVER MAPLE	<i>Acer saccharinum</i>	33.5"	Good	Double @ 5'
3	SILVER MAPLE	<i>Acer saccharinum</i>	24"	Good	
4	SILVER MAPLE	<i>Acer saccharinum</i>	25.5"	Good	Poison Ivy on Trunk
5	SILVER MAPLE	<i>Acer saccharinum</i>	28"	Fair	Trunk Rot, Dead Limbs, Poison Ivy
6	RED MAPLE	<i>Acer rubrum</i>	24.5"	Fair	Large Trunk Scar, Leaning
7	TULIP POPLAR	<i>Liriodendron tulipifera</i>	25"	Good	
8	RED MAPLE	<i>Acer rubrum</i>	26"	Good	Triple @ 8'
9	TULIP POPLAR	<i>Liriodendron tulipifera</i>	26"	Good	
10	BLACK CHERRY	<i>Quercus rubra</i>	26"	Poor	Double at 5'; Trunk Rot, Vine Covered
11	BLACK CHERRY	<i>Quercus rubra</i>	31"	Fair	Double @ 7'; Dead Limbs
12	SILVER MAPLE	<i>Acer saccharinum</i>	30"	Good	Multi-Stem
13	SILVER MAPLE	<i>Acer saccharinum</i>	31"	Good	Multi-Stem
14	SILVER MAPLE	<i>Acer saccharinum</i>	24.5"	Good	Double @ 9'; Vines
15	SILVER MAPLE	<i>Acer saccharinum</i>	29"	Good	Multi-Stem
16	SILVER MAPLE	<i>Acer saccharinum</i>	28"	Good	Multi-Stem
17	SILVER MAPLE	<i>Acer saccharinum</i>	37.5"	Good	Double @ 8'
18	SILVER MAPLE	<i>Acer saccharinum</i>	30"	Good	Double @ 15'
19	SILVER MAPLE	<i>Acer saccharinum</i>	24"	Good	
20	SILVER MAPLE	<i>Acer saccharinum</i>	58"	Good	Triple @ 8'
21	SILVER MAPLE	<i>Acer saccharinum</i>	24"	Good	1/3 of Triple

\* Diameter at breast height  
\*\* Estimate of general tree health  
Black indicates trees that are significant ( $\geq 24"$  to  $< 30"$  DBH)  
Red indicates trees that are specimens ( $\geq 30"$  DBH)

SITE DESCRIPTION  
The almost 4-acre site is currently wooded with some remnants of past residential use. The vegetative community on the site is dominated by pioneer/early successional forest, with dominant tree species generally ranging in the 18 to 24-inch diameter at breast height (DBH). The site contains no wetlands, waters of the U.S., environmental buffers, erodible soils or steep slopes. Soils on the site are mapped Linganore-Hyattstown and Hyattstown channery silt loams. There are 3.64 acres of forest on the site, and the remainder of the site is shrub/scrub and herbaceous vegetation adjacent to Frederick Road (MD 355). A detailed description of the single forest stand classified on the site is found below. Multiflora rose, Japanese honeysuckle and bush honeysuckle are found throughout the site. Future management efforts should aim to manage the spread of the species.

FOREST STAND CLASSIFICATION AND DESCRIPTION  
FS-1 Mixed Hardwood Forest Stand  
3.64 acres, High priority for retention.

Forest Stand #1 is all of the upland forest located on the site. The canopy is dominated by silver maple (*Acer saccharinum*), red maple (*Acer rubrum*) and black cherry (*Prunus serotina*) mainly in the over 18 to 24-inch size range, with some scattered individuals over 24-inch DBH. Other species found in the canopy and upper layers of the forest include tulip poplar (*Liriodendron tulipifera*) and black locust (*Robinia pseudoacacia*). The understory is poorly developed and common species include hackberry (*Celtis occidentalis*), sassafras (*Sassafras albidum*), eastern redbud (*Juniperus virginiana*), boxelder (*Acer negundo*), and American elm (*Ulmus americana*). Common shrub species include bush honeysuckle, spicetop bush, wineberry, multiflora rose, black raspberry and grape vines. The herbaceous layer contains white ash seedlings, Japanese honeysuckle, garlic mustard, Virginia creeper and baneberry.

Soils within the stand are Linganore-Hyattstown and Hyattstown channery silt loams and the topography is south facing slope and nearly level hill top. Three forest sample data points were studied within the stand. Dominant canopy species varied throughout, as is common with pioneer/early successional forest stands. FS-1 has a computed Forest Structure Value of 15, is identified as Priority Area 1: High, and has a high regeneration potential. Future management should focus on managing the spread of invasive species.

NRI/FSD PLAN  
SCALE: 1" = 30'

Ecotone Inc.  
ENVIRONMENTAL CONSULTING, PERMITTING, & DESIGN  
FOREST & WETLAND CREATION, & STREAM RESTORATION  
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